

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	26	("4399504"   "4480304"   "4533995"   "4665520"   "4965719"   "5043876"   "5247672"   "5255387"   "5265232"   "5276835"   "5280611"   "5287473"   "5287521"   "5289588"   "5305448"   "5408653"   "5557792").PN. OR ("5761660").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 12:52
L3	35	"6629097"	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 13:09
L32	28	(sequentially adj ordered adj set) and (@rlad<="20040107" @ad<="20040107")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:36
L33	18	(sequentially adj ordered adj set) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:40
L34	14445	(batch adj process) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:47
L36	3	34 and (lock adj management)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:42
L37	11	34 and (record adj level)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:42
L38	3	(block adj level adj lock) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:45
L39	3	(batch adj sequential adj process) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:48
L40	4	(batch adj sequential adj processing) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 16:20
L41	0	(batch adj sequential adj processing) . clm.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 16:20

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L42	41	(lock and (control adj area)).clm.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 16:21
L43	30	(sequentially adj ordered adj set) "clm."	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 16:22
L44	6	(sequentially adj ordered adj set).clm.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 16:22
S1	2	"6732137"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/25 16:09
S2	4	batch adj sequential adj process	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/25 16:10
S3	2	dual-level adj lock\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/25 16:10
S4	33	second adj level adj lock\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/25 16:11
S5	18	S4 and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 14:10
S7	10	"5761660"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/25 16:40
S10	97	file adj retention	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/25 16:42
S11	73	S10 and (@rlad<="20040107" @ad<="20040107")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:35
S15	109	quarles.in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/10 17:01

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S16	1	S15 and shadow	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/10 17:22
S17	1	summarized adj workload	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/10 17:22
S18	10	summary adj workload	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 11:08
S19	1	"20060168312"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 11:10
S20	1	"20060026236"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 11:17
S21	1	"7089281"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 11:17
S22	2	"6732137"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 13:41
S23	9	"6026406"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 14:08
S24	16	(row adj level adj lock) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 15:36
S25	18	("5161227"   "5535375"   "5551046"   "5623659"   "5642501"   "5649200"   "5664186"   "5666532"   "5675762"   "5692178"   "5890153"   "5897638"). PN. OR ("6370529").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 14:22
S26	12	(record adj level adj lock) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 14:27
S27	23	(record adj level adj lock\$3) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 15:47

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S28	55	dogpile	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 15:47
S29	297	multiple adj search adj engine	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 14:48
S30	43	table adj level adj lock\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 15:47
S31	10	S30 and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 15:49
S32	0	(batch adj transaction adj lock) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 15:50
S33	1	((batch adj transaction) with lock) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 15:50
S34	61	((batch adj transaction) and lock\$3) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 16:10
S35	576	707/8.ccls. and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 16:36
S36	63	S35 and batch	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/11 16:10
S37	138	(granularity adj lock\$3) and (@rlad<="19990512" @ad<="19990512")	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/04/12 10:21



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[R Solomon](#)

[J Blakeslee](#)

[W Tietz](#)

**Multi-level lock system and method - group of 4 »**

W Tietz - US Patent 4,325,242, 1982 - Google Patents

... [ii] 4,325,242 Tietz [54] **MULTI-LEVEL LOCK SYSTEM AND METHOD** [75] Inventor: Werner

Tietz, Berlin, Fed. Rep. ... Page 6. 4,325,242 **MULTI-LEVEL LOCK SYSTEM AND METHOD** ...

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**Distributed raid storage system - group of 4 »**

RC Solomon, JA Blakeslee - US Patent 6,151,659, 2000 - Google Patents

Page 1. United States Patent US006151659A [ii] Patent Number: 6,151,659 Solomon et al. [54] **DISTRIBUTED RAID STORAGE SYSTEM** [75] Inventors ...

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**Cylinder lock and key - group of 2 »**

PE Meissner - US Patent 4,869,085, 1989 - Google Patents

... io A **multi-level lock** system and method is disclosed in US Pat. No. 4,325,242, including discontinuous rib members ateachside ofanelongated key. US Pat. No. ...

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**Database access with multilevel lock**

M Cina - 2005 - freepatentsonline.com

... Abstract: A **multi-level lock** procedure is used in scheduling access of a table in a database by multiple processes running in parallel. ...

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**Method for safe transfer of patient data on a data carrier - group of 3 »**

A Veidung - 2004 - freepatentsonline.com

Patent Number: Advanced Search. Site Contents. Search Patents Use our search engine to find what you need. Data and Analytical Services Complete custom solutions ...

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"multi-level lock"

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record level lock

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**All Results**[C Mohan](#)[G Weikum](#)[M Stonebraker](#)[D Lomet](#)[E Hanson](#)

Method for updating a block using **record-level** locks by committing the update if the block has not ... - group of 3 »

JP Strickland, KM Kapulka - US Patent 5,355,477, 1994 - Google Patents

... Two or more concurrent processes can update different records within the same VSAM data CI using only a **record-level lock**. This ...

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Principles and realization strategies of multilevel transaction management - group of 4 »

G Weikum - ACM Transactions on Database Systems (TODS), 1991 - portal.acm.org

... approach [92]. Obviously, the **page-level locks** guarantee serializability of ... recover from a system crash, before applying any **tuple-level** log **record** the ...

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MLR: a recovery method for multi-level systems - group of 16 »

DB Lomet - Proceedings of the 1992 ACM SIGMOD international conference ..., 1992 - portal.acm.org

... **level multi-level** transaction nested transaction (transaction itself or system) compensation transaction a **lock** at L compensation log **record** (**recording** undo ...

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The POSTGRES rule manager - group of 14 »

M Stonebraker, EN Hanson, S Potamianos - IEEE Transactions on Software Engineering, 1988 - doi.ieeecs.org

... versus late evaluation, the decision of **lock** granularity is a complex optimization problem. Initial investigation [ 141 suggests that **record level** locking is ...

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Adaptive Locking Strategies in a Multi-node Data Sharing Environment - group of 4 »

AM Joshi - Proceedings of the 17th International Conference on Very ..., 1991 - acm.org

... Rdb/VMS supports two-phase locking at the **record level** using **lock** de-escalation in order to reduce the number of **locks** that may be required for accessing ...

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Hybrid **lock** escalation and de-escalation protocols - group of 3 »

AM Joshi - US Patent 5,414,839, 1995 - Google Patents

... To allow for the possibility of relation **lock** de-escalation, **record-level** write sets and read predicate lists for transactions are kept in a control block ...

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A commentary on the POSTGRES rules system - group of 9 »

M Stonebraker, M Hearst, S Potamianos - ACM SIGMOD **Record**, 1989 - portal.acm.org

... If a PRS II rule contains new or old, then **record** processing will be used to ... retrieve "steel" where EMP.age < 80 This rule can use a column **level lock** and be ...

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Transaction processing system and method with reduced locking - group of 5

»

C Mohan - US Patent 5,247,672, 1993 - Google Patents

... is also a need for a method for more the **lock** only needs to ... Locking at a finer granularity, such as **record-** ... **level** locking can reduce contention between concur- ...[Cited by 49](#) - [Related Articles](#) - [Web Search](#)Transaction monitoring in Encompass [TM]: Reliable distributed transaction processing - group of 2 »

A Borr - Proceedings of the Very Large Database Conference, 1981 - cdserv4.inria.fr

... **Record level** locking operates on the primary key of an individual logical data record; (There is no locking at the block or index **level**.) **Locks** on existing ...[Cited by 72](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#)[book] The Starburst Long Field Manager - group of 4 »

TJ Lehman, B Lindsay - 1989 - vldb.org

... by a combination of long-term and instantaneous **locks**. ... slice managed similarly to a database **record**, was used ... scheme provided only medium-**level** performance at ...[Cited by 50](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

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